49.

Diversion Effects on San Joaquin River Salmon Fry - Existing (Baseline) Conditions

	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
Entrainment				-Review modelling assumptions -review pumping rates used in runs -review assumed operational constraints review pumping and entrainment records, compare year types and entrainment #'s (focus on dry years?), i.e. determine existing conditions								
Hydrodynamics												
Predation												
Handling												
Food supply												
Shallow/ nearshore habitat												
Water quality (toxics)												
Water quality (temperature)												
WQ (salinity)												
Agricultural diversions												
Straying												

Diversion Effects on San Joaquin River Salmon Fry - No Action Conditions

	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
Entrainment				-Review modelling assumptions -review pumping rates used in runs -review assumed operational constraints review pumping and entrainment records, compare year types and entrainment #'s (focus on dry years?), i.e. determine existing conditions								
Hydrodynamics												
Predation												
Handling												
Food supply												
Shallow/ nearshore habitat												
Water quality (toxics)												
Water quality (temperature)												
WQ (salinity)												
Agricultural diversions												
Straying												

Diversion Effects on San Joaquin River Salmon Fry - Common Programs

	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
Entrainment												
Hydrodynamics												
Predation												
Handling												
Food supply				See next item, "habitat". Allochthonous input would improve as habitat created. Upstream food supplies correlated with upstream habitat improvements.								
Shallow/ nearshore habitat				May be some improvements, check locations of restoration. Could be offset by levee improvements-check locations of levee projects								
Water quality (toxics)				Assess based upon Water Quality Program Plan								
Water quality (temperature)												
WQ (salinity)												
Agricultural diversions				Some small diversions to be screened as result of ERPP?								
Straying												

Diversion Effects on San Joaquin River Salmon Fry - Alternative 1

	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
Entrainment				-Review modelling assumptions and results for Alternative 1 -Assess benefits of combined screen and fish facility								
Hydrodynamics												
Predation				-assess predation at new screen compared to existing								
Handling												
Food supply												
Shallow/ nearshore habitat												
Water quality (toxics)												
Water quality (temperature)												
WQ (salinity)												
Agricultural diversions												
Straying												

Diversion Effects on San Joaquin River Salmon Fry - Alternative 2

	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
Entrainment				-Review modelling assumptions -effects of new screens same as Alternative 1?								
Hydrodynamics												
Predation				-effects of new screens same as alt 1								
Handling												
Food supply												
Shallow/ nearshore habitat				Increased degradation of habitat in south/central delta?								
Water quality (toxics)												
Water quality (temperature)												
WQ (salinity)												
Agricultural diversions												
Straying												

Diversion Effects on San Joaquin River Salmon Fry - Alternative 3

	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
Entrainment				-Review modelling assumptions, results -review timing/amounts pumped in so. delta vs. PC, quantify entrainment reductions								
Hydrodynamics												
Predation				-reduction in predation as function of reduced so. delta pumping								
Handling												
Food supply												
Shallow/ nearshore habitat												
Water quality (toxics)												
Water quality (temperature)												
WQ (salinity)												
Agricultural diversions												
Straying												